

Abstract

A data processing system and method for analysis of financial and non-financial value creation performance of a business enterprise. A data structure is stored in a memory device. The data structure includes a plurality of first assumed variables that have an influence on a non-
5 financial value stream of the business enterprise and a plurality of second assumed variables that have an influence on a financial value stream of the business enterprise. A first outcome of the non-financial value stream of the business enterprise is determined by a calculation engine based upon the first assumed variables. The first outcome influences at least one of the second
10 assumed variables. A first present value of the financial value stream of the business enterprise is determined by the calculation engine based upon the first outcome and based upon the second assumed variables. The first outcome may includes a non-financial metric. A filter may be coupled to the calculation engine for selecting certain ones of the first and second assumed variables to be delivered to the calculation engine. The calculation engine may repeatedly determine a series of updated outcomes of the non-financial value stream and a series of updated present values. A second present value of the financial value stream may be determined taking into account altered assumed variables. A second present value of the financial value stream may be determined taking into account the assumed variables that changed in response to the occurrence or non-occurrence of the one or more of the events.

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